

OIPE

## RAW SEQUENCE LISTING

DATE: 06/19/2001

PATENT APPLICATION: US/09/755,017

TIME: 12:28:00

Input Set : A:\Seqlist.txt

Output Set: N:\CRF3\06192001\I755017.raw

ENTERED

```

4 <110> APPLICANT: Walke, D. Wade
5   Wilganowski, Nathaniel
6   Turner, C. Alexander Jr.
7   Friedrich, Glenn
8   Abuin, Alejandro
9   Zambrowicz, Brian
10  Sands, Arthur T.
12 <120> TITLE OF INVENTION: Novel Human Membrane Proteins and
13   Polynucleotides Encoding the Same
15 <130> FILE REFERENCE: LEX-0115-USA
C--> 17 <140> CURRENT APPLICATION NUMBER: US/09/755,017
C--> 17 <141> CURRENT FILING DATE: 2001-01-05
17 <150> PRIOR APPLICATION NUMBER: US 60/175,764
18 <151> PRIOR FILING DATE: 2000-01-12
20 <160> NUMBER OF SEQ ID NOS: 3
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 942
26 <212> TYPE: DNA
27 <213> ORGANISM: Homo Sapien
29 <400> SEQUENCE: 1
30 atgaattggg taaatgacag catcatacag gagttttattc tgctggggttt ctcagatcga      60
31 ccttggtcgg agtttccact ccttggtggtc ttcttgattt cttacactgt gaccatcttt      120
32 ggcaatctga ccattattct agtgtcacgc ctggacacca aacttcatac ccccatgtat      180
33 ttttttctta ccaatctatc actcctggat ctttgttaca ccacatgtac agtcccacaa      240
34 atgctagtaa atttatgcag catcaggaaa gtaatcagtt atcgtggctg tgtagcccag      300
35 cttttcatat ttctggcctt gggggctact gaatatcttc tcctggccct catgtccttt      360
36 gataggtttg tagctatttg tcggcctctc cattactcag ttatcatgca ccagagactc      420
37 tgcctccagt tggcagccgc atcctgggtt actggtttta gtaactcagt gtggttgtct      480
38 accctgactc tccagctgcc actctgtgac ccctatgtga tagatcactt tctctgtgaa      540
39 gtccctgcac tgcctcaagtt atcttgtggt gagacaacag caaatgaggc tgaactattc      600
40 cttgtcagtg agctcttcca tctaataccc ctgacactca tccttatatc atatgctttt      660
41 attgtccgag cagtattgag gatacagtc tctgaaggtc gacaaaaagc atttgggaca      720
42 tgtggttccc atctaattgt ggtgtctctt ttttatagta cagccgtctc tgtgtacctg      780
43 caaccacctt cgcccagctc caaggaccaa ggaaagatgg tttctctctt ctatggaatc      840
44 attgcaccca cttagaatcc ctttatatat acacttagga acaaggaggt aaaggaaggc      900
45 tttaaaagggt tggttgcaag agtcttctta atcaagaaat aa      942
47 <210> SEQ ID NO: 2
48 <211> LENGTH: 313
49 <212> TYPE: PRT
50 <213> ORGANISM: Homo Sapien
52 <400> SEQUENCE: 2
53 Met Asn Trp Val Asn Asp Ser Ile Ile Gln Glu Phe Ile Leu Leu Gly
54 1 5 10 15
55 Phe Ser Asp Arg Pro Trp Leu Glu Phe Pro Leu Leu Val Val Phe Leu
56 20 25 30
57 Ile Ser Tyr Thr Val Thr Ile Phe Gly Asn Leu Thr Ile Ile Leu Val

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58          35          40          45
59 Ser Arg Leu Asp Thr Lys Leu His Thr Pro Met Tyr Phe Phe Leu Thr
60          50          55          60
61 Asn Leu Ser Leu Leu Asp Leu Cys Tyr Thr Thr Cys Thr Val Pro Gln
62 65          70          75          80
63 Met Leu Val Asn Leu Cys Ser Ile Arg Lys Val Ile Ser Tyr Arg Gly
64          85          90          95
65 Cys Val Ala Gln Leu Phe Ile Phe Leu Ala Leu Gly Ala Thr Glu Tyr
66          100          105          110
67 Leu Leu Leu Ala Val Met Ser Phe Asp Arg Phe Val Ala Ile Cys Arg
68          115          120          125
69 Pro Leu His Tyr Ser Val Ile Met His Gln Arg Leu Cys Leu Gln Leu
70          130          135          140
71 Ala Ala Ala Ser Trp Val Thr Gly Phe Ser Asn Ser Val Trp Leu Ser
72 145          150          155          160
73 Thr Leu Thr Leu Gln Leu Pro Leu Cys Asp Pro Tyr Val Ile Asp His
74          165          170          175
75 Phe Leu Cys Glu Val Pro Ala Leu Leu Lys Leu Ser Cys Val Glu Thr
76          180          185          190
77 Thr Ala Asn Glu Ala Glu Leu Phe Leu Val Ser Glu Leu Phe His Leu
78          195          200          205
79 Ile Pro Leu Thr Leu Ile Leu Ile Ser Tyr Ala Phe Ile Val Arg Ala
80          210          215          220
81 Val Leu Arg Ile Gln Ser Ala Glu Gly Arg Gln Lys Ala Phe Gly Thr
82 225          230          235          240
83 Cys Gly Ser His Leu Ile Val Val Ser Leu Phe Tyr Ser Thr Ala Val
84          245          250          255
85 Ser Val Tyr Leu Gln Pro Pro Ser Pro Ser Ser Lys Asp Gln Gly Lys
86          260          265          270
87 Met Val Ser Leu Phe Tyr Gly Ile Ile Ala Pro Met Leu Asn Pro Leu
88          275          280          285
89 Ile Tyr Thr Leu Arg Asn Lys Glu Val Lys Glu Gly Phe Lys Arg Leu
90          290          295          300
91 Val Ala Arg Val Phe Leu Ile Lys Lys
92 305          310

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94 &lt;210&gt; SEQ ID NO: 3

95 &lt;211&gt; LENGTH: 1488

96 &lt;212&gt; TYPE: DNA

97 &lt;213&gt; ORGANISM: Homo Sapien

99 &lt;220&gt; FEATURE:

100 &lt;221&gt; NAME/KEY: misc\_feature

101 &lt;222&gt; LOCATION: (1)...(1488)

102 &lt;223&gt; OTHER INFORMATION: n = A,T,C or G

104 &lt;400&gt; SEQUENCE: 3

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W--> 105 agaaaatact ttggaataa tgagcatttt caanctgtat atttttcatg taataaaanc      60
106 aagcaatatac aatttctgta aatatcttca aaacaggtag taaaatgact ataagtaact      120
107 gaaatagtta acaaatatgt gttaattgac ttctgaatt tttctgtttc aggaaaccaa      180
108 gagttgaaac attaatacatg aattgggtaa atgacagcat catacaggag tttattctgc      240
109 tgggtttctc agatcgacct tggctggagt ttccactcct tgtggtcttc ttgatttctt      300

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110	acactgtgac	catctttggc	aatctgacca	ttattctagt	gtcacgcctg	gacaccaaac	360
111	ttcatacccc	catgtatddd	tttcttacca	atctatcact	cctggatctt	tgttacacca	420
112	catgtacagt	cccacaaatg	ctagtaaatt	tatgcagcat	caggaaagta	atcagttatc	480
113	gtggctgtgt	agcccagctt	ttcatatddd	tggccttggg	ggctactgaa	tatcttctcc	540
114	tggccgtcat	gtcctttgat	aggttttag	ctattdgtcg	gcctctccat	tactcagtta	600
115	tcatgcacca	gagactctgc	ctccagttgg	cagccgcac	ctgggttact	ggtttttagta	660
116	actcagtgtg	gttgtctacc	ctgactctcc	agctgccact	ctgtgacccc	tatgtgatag	720
117	atcactttct	ctgtgaagtc	cctgcactgc	tcaagttatc	ttgtgttgag	acaacagcaa	780
118	atgaggctga	actattcctt	gtcagtgagc	tcttccatct	aatacccctg	acactcatcc	840
119	ttatatcata	tgcttttatt	gtccgagcag	tattgaggat	acagtctgct	gaaggctcgac	900
120	aaaaagcatt	tgggacatgt	ggttcccatc	taattgtggt	gtctcttttt	tatagtacag	960
121	ccgtctctgt	gtacctgcaa	ccaccttcgc	ccagctccaa	ggaccaagga	aagatggttt	1020
122	ctctcttcta	tggaaatcatt	gcacccatgc	tgaatccctt	tatatataca	cttaggaaca	1080
123	aggaggtaaa	ggaaggcttt	aaaaggttgg	ttgcaagagt	cttcttaatc	aagaaataag	1140
124	aaatatgcaa	atgataagct	ttgctaaaga	caaatgtttt	acttagctta	ctaacttctc	1200
125	tgtaagttgc	cctattdttg	ttgttactgt	agagaacaat	gtaaactccc	tcaaataaaa	1260
126	tttccttgat	gaagagctat	attdacttct	gttgccctta	tgtdtttcatt	gaacaagccc	1320
127	ccagaattga	ccttccaatt	cacaaaaaat	tgtaatcaca	acatcttcaa	ggtttgtcaa	1380
128	acatcccac	aatgcttgta	caattcaatg	taaattagat	ccgtagaaaa	gccagaagtt	1440
129	ctttctccaa	tatcacacac	acacacacac	acacacacac	acacacac		1488

VERIFICATION SUMMARY

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L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3